

Test Strategy

Test Objectives

Ensure all functionality works without any major defects or performance issues.

Verify that all features meet the requirements outlined in the user stories and acceptance criteria.

Help find issues and bugs during development.

Timeline

Test Preparation: 2 days.

Testing: 3 weeks (will be done at the same time as development).

Final review: 1 day.

Task Workflow

1. Test planning and design
2. Test execution
3. Bug fixing
4. Retesting
5. Final review

Test Approach

The testing will focus on risk-based testing prioritizing tests in areas with the highest risk to users.

There will be manual testing and automated testing done during development.

The tests will ensure that all components work together.

Testing Types

Functional testing will be performed to ensure functionality aligns with the requirements.

The performance of the system will be tested to see how it performs under high load.

Security testing will ensure that user data is correctly stored and kept safe.

Testing Tools

Postman will be used for manual testing of the API.

JMeter for load testing.

GitHub Actions for automated testing.

Coverlet for code coverage.